

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

Claims 1-15 (canceled).

Claim 16 (currently amended): A twist element for a bearingless rotor, comprising a composite fiber material, having a symmetrical, flattened cross section with an outer contour of a horizontal section through the center of a double cone, wherein the cross section includes a thin root area forming a middle area, and two similar groups of webs, wherein the webs of each of the two similar groups extend from the middle area and are separated from each other vertically by narrow gaps, each gap being substantially narrower than a thickness of each adjacent web, and wherein the thickness of each web increases with increasing distance from the middle area.

Claim 17 (currently amended): The twist element as recited in claim 16, wherein the cross section of the twist element includes a thin root area forming a middle area, and two similar groups of webs, wherein the webs of each of the two similar groups extend from the middle area and are separated from each other vertically by narrow gaps, and wherein the webs each extend from the middle area to free lateral side edges of the twisted element and wherein a the thickness of each web increases continuously from the middle area to the free lateral edges with increasing distance from the middle area.

Claim 18 (previously presented): The twist element as recited in claim 16, wherein each of the webs have a wedge-shaped cross section having a tip meeting the root area.

Claim 19 (previously presented): The twist element as recited in claim 16, wherein the webs includes unidirectional reinforcement fiber packets disposed at least at an area of lateral sides of the

cross-section of the twist element, each of the reinforcement fiber packets having fibers running in a lengthwise direction of the twist element.

Claim 20 (previously presented): The twist element as recited in claim 19, wherein the unidirectional reinforcement fiber packets extend to the outer contour of the cross section of the twist element.

Claim 21 (previously presented): The twist element as recited in claim 19, wherein the fibers of the unidirectional reinforcement fiber packets include carbon fibers.

Claim 22 (previously presented): The twist element as recited in claim 16, wherein each of the webs include at least one slit in a lengthwise direction of the twist element the at least one slit extending from a free lateral side edge of the cross section of the twist element towards the root area.

Claim 23 (previously presented): The twist element as recited in claim 22, wherein each of the at least one slits is configured essentially rectilinearly and wherein longitudinal axes defined by the slits pass through an area in an immediate vicinity of a center point of the cross section.

Claim 24 (previously presented): The twist element as recited in claim 23, wherein the longitudinal axes intersect each other at the center point.

Claim 25 (previously presented): The twist element as recited in claim 22, wherein at least one web includes at least two adjacent unidirectional reinforcement fiber packets and wherein the at least one slit of the at least one web extends between the at least two adjacent unidirectional reinforcement fiber packets.

Claim 26 (previously presented): The twist element as recited in claim 22, wherein each web includes at least two adjacent unidirectional reinforcement fiber packets and at least one

reinforcement fiber fabric layer disposed in an immediate vicinity of the at least one slit and between the two adjacent unidirectional reinforcement fiber packets, the at least one reinforcement fiber fabric layer extending from a lateral slit opening of the slit in a U-shaped or loop-shaped manner around a base of the slit and around a contour of the slit.

Claim 27 (previously presented): The twist element as recited in claim 16, wherein at least one reinforcement fiber layer extends over a width of a first web in one of the two similar groups, over the root area, and continuously to a second web of the other of the two similar groups and over the width of the second web, wherein the first and second webs are arranged in a pair across from each other at a top and a bottom of the cross section of the twist element.

Claim 28 (previously presented): The twist element as recited in claim 16, wherein the webs include lateral side surfaces that are inclined at an angle relative to a vertical center axis of the cross section of the twist element above and below a horizontal center axis of the cross section of the twist element.

Claim 29 (previously presented): The twist element as recited in claim 16, wherein the twist element forms an integral part of one of a rotor blade, a rotor blade connection element, a rotor blade joining element and a rotor head element.

Claim 30 (previously presented): A bearingless rotor comprising at least one twist element as recited in claim 16.

Claim 31 (previously presented): A rotorcraft comprising at least one bearingless rotor as recited in claim 30.

Claim 32 (previously presented): The rotorcraft as recited in claim 31, wherein the rotorcraft is a helicopter.